



AMENDMENTS TO THE SPECIFICATION

Please amend the last paragraph of page 6, beginning on line 32, to read as follows:

FIGS. 3A and 3B illustrate the development of capillary blush in an underperfused region of a heart ventricle wall (3A) and subsequent development of arterioles with sustained demand (3B), where the source of blood supply is a coronary arterial supply;

FIGS. 4A and 4B illustrate the distribution of growth-factor stimulus introduced in a target area of an underperfused region of a heart for achieving substantially uniform distribution of a growth factor (4A), and for achieving a higher short-term growth factor effect close to the blood supply, and a longer-term growth-factor effect close to the underperfused region;

Please amend the ninth paragraph on page 7, beginning on line 26, to read as follows:

FIG. 12 illustrates the mechanics of vascularization that is produced by a sustained-injury from the FIG. 10 tool;